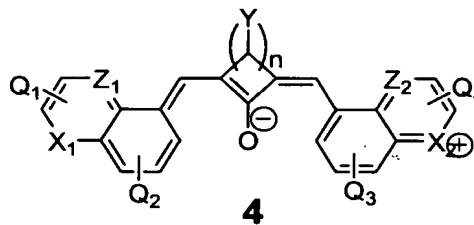


Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Withdrawn) An infrared dye wherein the dye comprises two bridged diarylpolymethine type dyes or derivatives thereof connected together at either the 3, 4, 5 or 6 position by a central moiety such that the two dyes are located on each side of the central moiety, wherein the infrared dye absorbs strongly in the near infrared region of the spectrum but poorly in the visible region of the spectrum.
2. (Withdrawn) An infrared dye according to claim 1 wherein the central moiety is selected from the group consisting of squarylium, croconium, methinologs thereof and derivatives thereof.
3. (Currently amended) An infrared dye of formula 4 as set out hereunder:



wherein ~~A₁ and A₂, taken individually, is/are absent or selected from the group consisting of a 5-membered polyene ring containing 0, 1 or 2 substituents that are selected from the group R;~~

~~_____ X₁ and X₂ are individually selected from the group consisting of oxygen, and sulfur; selenium, tellurium, CR₁R₂, NR₁, SiR₁R₂, GeR₁R₂, PR₁ where R₁ and R₂, which may be the same or different, are selected from the group R;~~

Z_1 and Z_2 are individually selected from CR_3 or N where R_3 is selected from the group R;

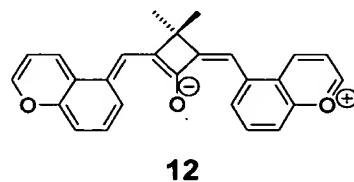
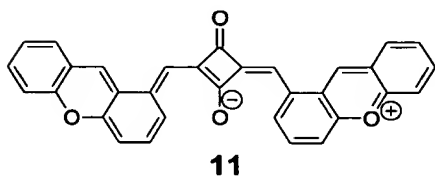
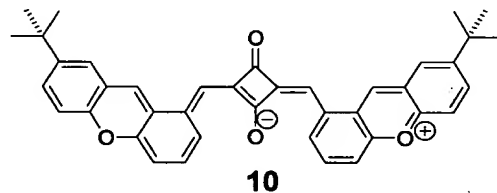
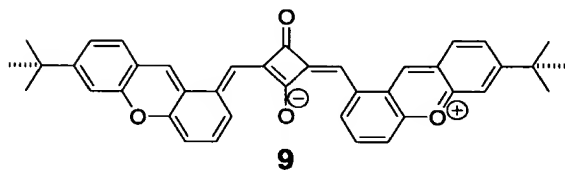
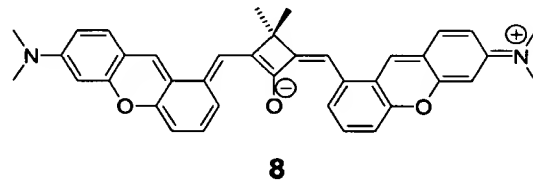
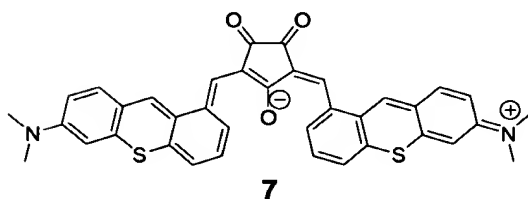
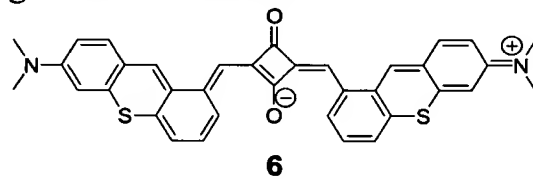
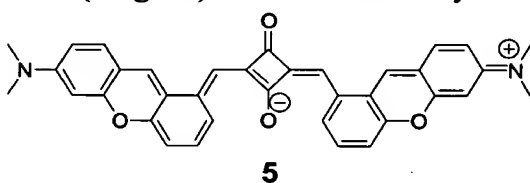
Y is independently =O or a tautomer thereof or dialkyl;

Q_1 , Q_2 , Q_3 and Q_4 are individually selected from the group consisting of R_4 , a fused 6-membered aromatic ring optionally substituted with 1 to 4 substituents individually selected from R_5 , and fused polyaromatic rings optionally substituted with one or more substituents selected from R_6 wherein R_4 , R_5 and R_6 are individually selected from the group R;

R is the group consisting of hydrogen atom, a substituted or unsubstituted alkyl group, a substituted or unsubstituted aryl group, a substituted or unsubstituted aralkyl group, a halide atom, a hydroxy group, a substituted or unsubstituted amine group, a substituted or unsubstituted alkoxy group; and

n is 1 or 2 or 3.

4. (Original) An infrared dye according to claim 3 selected from:



5. (Previously amended) An infrared absorbing compound according to claim 3 wherein one or more polar group substituents such as $-SO_3H$, $-NH_2$ and $-CN$ are utilized.

6. (Previously amended) An infrared printing ink comprising a colorant, wherein the colorant is a dye in accordance with claim 3.

7. (Original) An infrared printing ink according to claim 5 which is suitable for ink jet printing ink or offset printing.